DATA COLLECTION PLATFORM
Model *MECH DASTU-6000i*

Applications

- Collection of data from field instruments like, Level sensor, Pressure sensor Flow meter, RPM meter, Doppler sensor, Energy meter, Temperature Sensor, Analytical transmitter, Hydro-meteorological sensors etc.
- ***DASTU-6000i*** has been developed specifically for applications in the fields of hydrometry, meteorology, Water SCADA, Dam and Canal Automation, Process Automation etc.
- Appropriate for multiple- access network applications or simple point to point links

Features

- Real Time internal clock with drift < 2 sec /day with lithium backup battery
- GPS Receiver (Optional)
- Local Data Storage for one year having Data retrieval facility with RS-232 serial interface, under command
- Graphic display with backlight and membrane keypad.
- 32-Bit, Arm Processor
- Removable SD card Socket
- Two RS-232 ports, One RS-485, port. One SDI-12 port. One Ethernet Port & Two USB ports.
- 10/100 Base T Ethernet Port
- Interfacing facility with GSM/GPRS/ ISDN/Satellite/Radio transreceiver
- Improved Data collection & Storage
- Remote Programmable
- Windows based PC utility software for system configuration

The model ***DASTU-6000i*** is designed for collection, storage and transmission of data from field instruments to control room and MCS

It will operate in harsh environment also having facility for local retrieval of data using RS-232 serial interface

It can be powered with 12Vdc Hybrid (mains and Solar) power source

DASTU-6000i offers 4 AI, 8 DI, 8 DO, 1 AO further can be extended using IO expansion module ***EM-4880***

Specifications

Input Voltage:		10-19 VDC
Current:	Sleep mode	≤10mA typical
	Active, display off	70 mA typical
	Active, display on	80 mA typical
General:	CPU	32 Bit, ARM
Display:	Monochrome, graphics	for local data display
	Language	English
I/O lines:	D/I	08 optically isolated
	D/O	08 optically isolated
	A/I	04 transient protected
	A/O	01 transient protected
RTC:	Accuracy	< 2 Sec/day
	Battery	Lithium Replaceable
Communication:	Serial Port	RS-232 – 2 Nos RS-485 – 1 No SDI-12 – 1 No
	USB Host	USB Port – 1 No.
	USB Device	USB Port – 1 No.
	Ethernet (Optional)*	10/100 Base T – 1 No.
Data Transfer Rate:	RS-232	115200 bps
	SDI 12	1200 bps
Memory:		
Program Memory	256 KB Flash	Internal
Storage Memory:	4 MB Flash	Expandable to 8 MB
Removable Memory	16 GB Flash	SD card/ USB Host
Analog to Digital converter:		24 Bit
Programming:	Local	Using Keys/ Laptop
	OS	Windows*
GPS (Optional)*		
	Frequency	1.57 Ghz.
	Antenna	Passive
	Format	NMEA-0183 format
	Acquisition sensitivity	-160 dBm
	Tracking sensitivity	-160 dBm
	Time PPS	+ 61 ns
Acquisition time:		
	Hot Start	< 01 Sec
	Warm Start	< 35 Sec
	Cold Start	< 35 Sec
Mechanical:	MOC	Aluminum
	Finish	Scratch Finish
	Size (HXWXD)	6" X 8" X 3"
	Weight	4.3 lbs, 2 Kg. Approx.
Environmental:	Storage temperature	-40° to 80° C
	Operating temperature	-40° to 60° C
	Relative humidity	0 to 100% NC

Ordering Information

MODEL	X	X	X	X	X	X
DASTU	**AI**	**DI**	**DO**	**AO**	**GPS**	**Ethernet**
6000i	4	8	8	1	G	E

Analog/Digital Expansion Module

MODEL	X	X	X	X
MODEL	**AI**	**DI**	**DO**	**AO**
EM - 4880	4	8	8	0
Add 'S' for Serial interface or 'SD' for SDI -12 Interface at the end of order code				

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